30 2878 369/112.29.cds. or 369/44.15.cds. or 369/44.14.cds. or 369/112.23.cds. or 369/112.09.cds. USPAT; 2003/12/1 203/12/1 213 (369/112.23.cds. or 369/41.10.9c.ds.) and (pickup or pick-up) and thin EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPA	
369/112.23.ccls. or 369/141.209.ccls. US-PGPUB; PEO; JPO; DERWENT USPAT; 2003/12/1 2003/12	
213 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up) and thin EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT	
32	
369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; EPO; JPO; DERWENT US-PGPUB; 2003/12/1 US-PGPU	
3 and (pickup or pick-up) and thin	7 13:13
31	
47 913 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls. USPAT; US-FGPUB; EPO; JPO; DERWENT USPAT; US-FGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DER	
369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; EPO; JPO; DERWENT 2003/12/1 2003/12	
3 and (pickup or pick-up)	13:07
Section	
33 85 (369/112.29.ccls. or 369/14.15.ccls. or 369/44.14.ccls. or 369/12.23.ccls. or 369/112.09.ccls. USPAT; USPGPUB; USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPGPUB;	
369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; DERWENT US-PG	
34 25 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls.) and ((pickup or pick-up) and thin) and ("45" adj degree\$) US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB; EPO; JPO;	7 13:07
25 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls. USPAT; 2003/12/1 46 26 collimator and (concave near lens) and (beam near splitter) and (diffraction near grating) and (laser or radiation) and (USPAT) USPAT; 2003/12/1 46 26 collimator and (concave near lens) and (beam near splitter) and (diffraction near grating) and (laser or radiation) and (USPAT) USPAT; 2003/12/1 47 369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls. USPAT; 2003/12/1 48 35 (369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up) and thinner USPAT; 2003/12/1 49 36 37 369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up) and thinner and inclins USPAT; 2003/12/1 40 36 369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/141.09.ccls. USPAT; 2003/12/1 50 369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/14.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls. USPAT; 2003/12/1 USPAT; 2003	
25 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and ((pickup or pick-up) and thin) and ("45" adj degree\$) US-PGPUB; EPO; JPO; DERWENT ((object or objective) near lens) and (beam near splitter) and (diffraction near grating) and (laser or radiation) and (copiect or objective) near lens) and (photodetector) and 369.clas. and (amount near3 light) US-PGPUB; EPO; JPO; DERWENT (USPAT; US-PGPUB; PO; JPO; DERWENT (USPAT; US-PGPUB; PO; JPO; DERWENT (USPAT; USPAT; US-PGPUB; PO; JPO; DERWENT (USPAT; US-PGPUB; PO; JPO; DERWENT (USPAT; US-PGPUB; PO; JPO; DERWENT (USPAT; USPAT; US-PGPUB; PO; JPO; DERWENT (USPAT; USPAT; US	
369/112.23.ccls. or 369/112.09.ccls.) and ((pickup or pick-up) and thin) and ("45" adj degree\$) 26	7 4 2 00
3 and ((pickup or pick-up) and thin) and ("45" adj degree\$)	, TQ:08
26 Collimator and (concave near lens) and (beam near splitter) USPAT; 2003/12/1 and (diffraction near grating) and (laser or radiation) and (lobject or objective) near lens) and (photodetector) and Sepon JPO; 369.clas. and (amount near3 light) DERWENT USPGPUB; EPO; JPO; DERWENT 369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 USPGPUB; DERWENT USPGPUB; USPGPUB; DERWENT USPGPUB; DERWENT USPGPUB; DERWENT USPGPUB; DERWENT USPGPUB; USPGPUB; DERWENT USPGPUB; DERWENT USPGPUB; USPGPUB; DERWENT USPGPUB; USPGPUB; USPGPUB; DERWENT USPGPUB; USPGPUB; DERWENT USPGPUB;	
26 collimator and (concave near lens) and (beam near splitter) and (diffraction near grating) and (laser or radiation) and (lobject or objective) near lens) and (photodetector) and 369.clas. and (amount near3 light) SepO; DO; DERWENT (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/41.12.09.ccls.) and (pickup or pick-up) and thinner SepO; JPO; DERWENT (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up) and thinner and inclin\$ SepO; JPO; DERWENT (369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) New York (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser (369/112.23.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser (369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser (369/112.29.ccls. or 369/41.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and and pickup or pick-up) and (reduc\$ near4 (thickness or height) and and pickup or pick-up) and (pickup or pick-u	
and (diffraction near grating) and (laser or radiation) and ((object or objective) near lens) and (photodetector) and 369.clas. and (amount near3 light) 36	7 1 2 - 1 1
((object or objective) near lens) and (photodetector) and 369.clas. and (amount near3 light) (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up) and thinner and inclin\$ 118 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up) and treduc\$ near10 (thickness or height)) 38 98 ((369/112.29.ccls. or 369/14.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser 39 85 ((369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls. or 369/112.09.ccls. or 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls. or 369/112.09.ccls.) 369/112.09.ccls.) 369/112.09.ccls. OERWENT USPAT; 2003/12/1 USPGPUB; 2003/12/1 USPGP	13.11
369.clas. and (amount near3 light) 369.clas. and (amount near3 light) 369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; EPO; JPO; DERWENT 369/112.23.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; EPO; JPO; DERWENT 37	
35	
369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up) and thinner 36	7 13:11
36 35 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; 369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; PO; JPO; DERWENT USPAT; USPAT	10.11
36	
369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up) and thinner and inclin\$ 118 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) 38 98 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser 39 85 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 US-PGPUB; EPO; JPO; height)) and laser 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 US-PGPUB;	
37 118 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) 38 98 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser 39 85 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.29.ccls. or 369/112.09.ccls. USPAT; 2003/12/1 USPAT	7 13:11
37	
37 118 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.	
369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) 98 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser 98 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or DERWENT ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 (369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 (369/112.29.ccls. or 369/112.09.ccls.) USPAT; 2003/12/1 (369/112.23.ccls. or 369/112.09.ccls.) USPAT; 2003/12/1 (USPAT; 2003/12/1 (USPAT))	
) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) 98 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser 98 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or DERWENT (369/112.29.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 19 (369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 19 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or JERWENT (369/112.29.ccls. or 369/112.09.ccls.	7 13:11
height)) 98 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser 85 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls. 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.	
38 98 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser USPAT; US-PGPUB; EPO; JPO; DERWENT 39 85 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser USPAT; US-PGPUB; EPO; JPO; DERWENT 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls. USPAT; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB;	
369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.29.ccls. or 369/112.09.ccls. US-PGPUB; EPO; JPO; DERWENT US-PGPUB; 2003/12/1 US-PGPUB; US-PGPUB;	7 1 2 . 1 2
) and (pickup or pick-up)) and (reduc\$ near10 (thickness or height)) and laser ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; height)) and laser (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or DERWENT (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls.	/ 13:12
height)) and laser ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls. (369/112.23.ccls. or 369/112.09.ccls. DERWENT DERWENT US-PGPUB; US-PGPUB;	
39 85 ((369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or 369/112.23.ccls. or 369/112.09.ccls.	
369/112.23.ccls. or 369/112.09.ccls.) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls. US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/12/1 USPAT; USPAT; USPAT; USPGPUB;	7 13-12
) and (pickup or pick-up)) and (reduc\$ near4 (thickness or height)) and laser 40	-5.12
height)) and laser 40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls. US-PGPUB;	
40 15 (369/112.29.ccls. or 369/44.15.ccls. or 369/44.14.ccls. or USPAT; 2003/12/1 369/112.23.ccls. or 369/112.09.ccls. US-PGPUB;	
369/112.23.ccls. or 369/112.09.ccls. US-PGPUB;	7 13:12
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
) and collimator and (concave near lens) and (beam near EPO; JPO;	
splitter) and (diffraction near grating) DERWENT	_
41 82 369.clas. and collimator and (concave near lens) and (beam USPAT; 2003/12/1	7 13:12
near splitter) and (diffraction near grating) and (laser or US-PGPUB;	
radiation) and ((object or objective) near lens) EPO; JPO;	
DERWENT USDATE 2003/13/1	7 1 2 - 1 2
42 65 collimator and (concave near lens) and (beam near splitter) USPAT; 2003/12/1	15:12
and (diffraction near grating) and (laser or radiation) and US-PGPUB;	
((object or objective) near lens) and (photodetector)	
43 60 369.clas. and (amount near light near detect) USPAT; 2003/12/1	7 12.12
US-PGPUB;	13.13
EPO; JPO;	
DERWENT	

44	32	369.clas. and (amount near3 light near3 detect) and collimator	USPAT;	2003/12/17 13:13
		and photodetector	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
45	8	collimator and (concave near lens) and (beam near splitter)	USPAT;	2003/12/17 13:13
		and (diffraction near grating) and (laser or radiation) and	US-PGPUB;	
		((object or objective) near lens) and (photodetector) and	EPO; JPO;	
		369.clas. and sensor	DERWENT	
55	14325	369.clas. and (pickup or pick-up)	USPAT;	2003/12/17 11:12
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
56	1398	(369.clas. and (pickup or pick-up)) and collimator and laser	USPAT;	2003/12/17 11:12
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
57	307	(369.clas. and (pickup or pick-up)) and collimator and laser and	USPAT;	2003/12/17 11:17
		thin and thickness	US-PGPUB;	, .
			EPO; JPO;	
			DERWENT	